

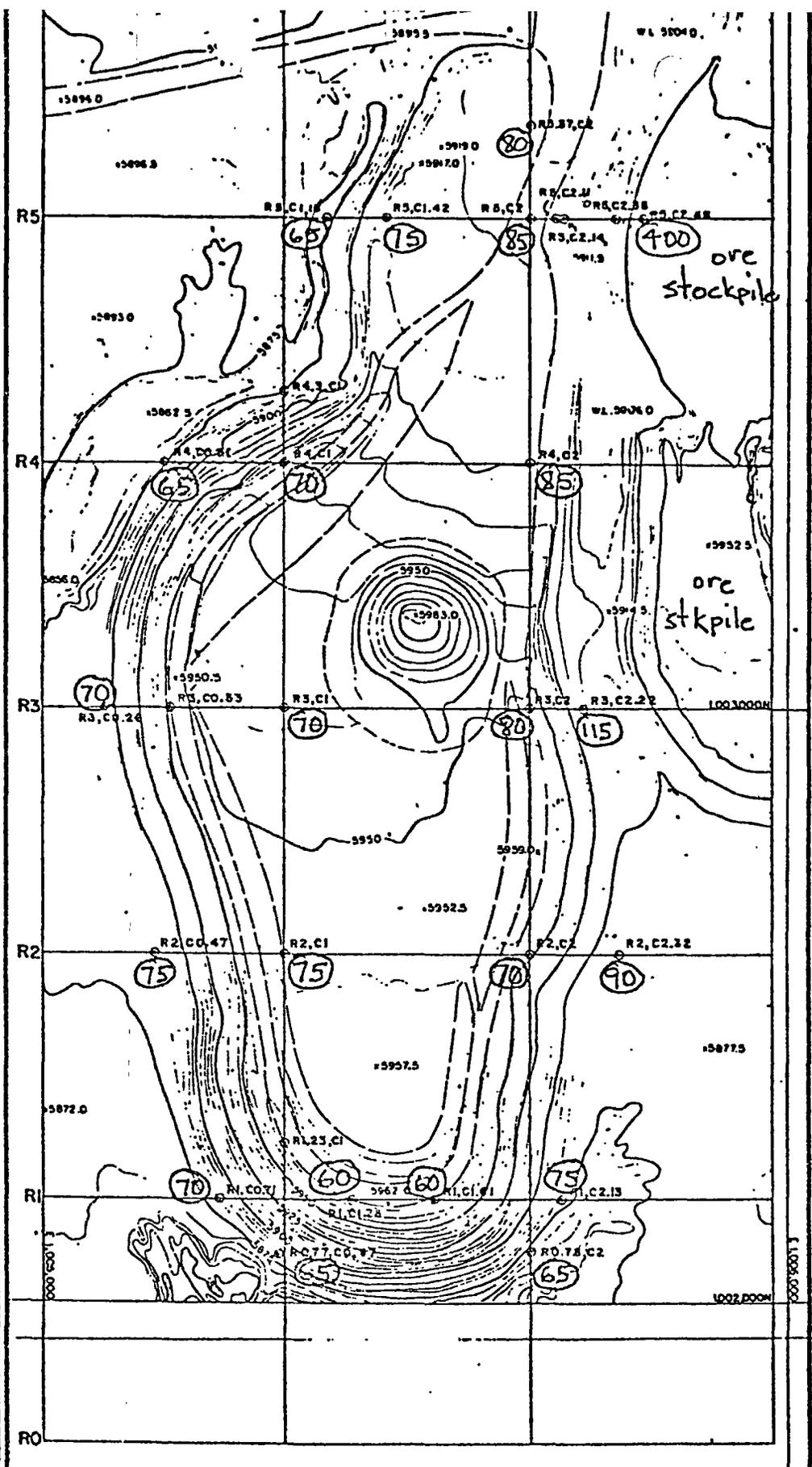
January 11, 1979

Contrary to Bill Gray's letter of July 19, 1978, the response to Item 3 (a map showing post reclamation drainage patterns) and Item 4 (estimated location, size and volume of any standing water that may remain) is being prepared by Bob Chambers of the Mine Engineering staff. I contacted Mr. Chambers during the first week of December and he said the report would be ready "some-time after the first of the year". Our response in R.D. Lynn's letter to Marc Nelson dated December 20, 1978 is still valid:

- "3. With regard to a map showing the post reclamation drainage patterns, surface slopes and highways, the Laguna Tribe has expressed concern with the Company's Mining and Reclamation plan dated December, 1976. The Anaconda Company is looking forward to resolving these problem areas with the Tribe and, at such time as a mutual agreement is reached, we will forward the requested information on to you.
4. An estimate of the amount of standing water that will occur after reclamation, the possibility of it becoming contaminated and ways to prevent contamination, will be forwarded to you as stated in No. 3 above."


ELROD C. LEANY
Environmental Engineer

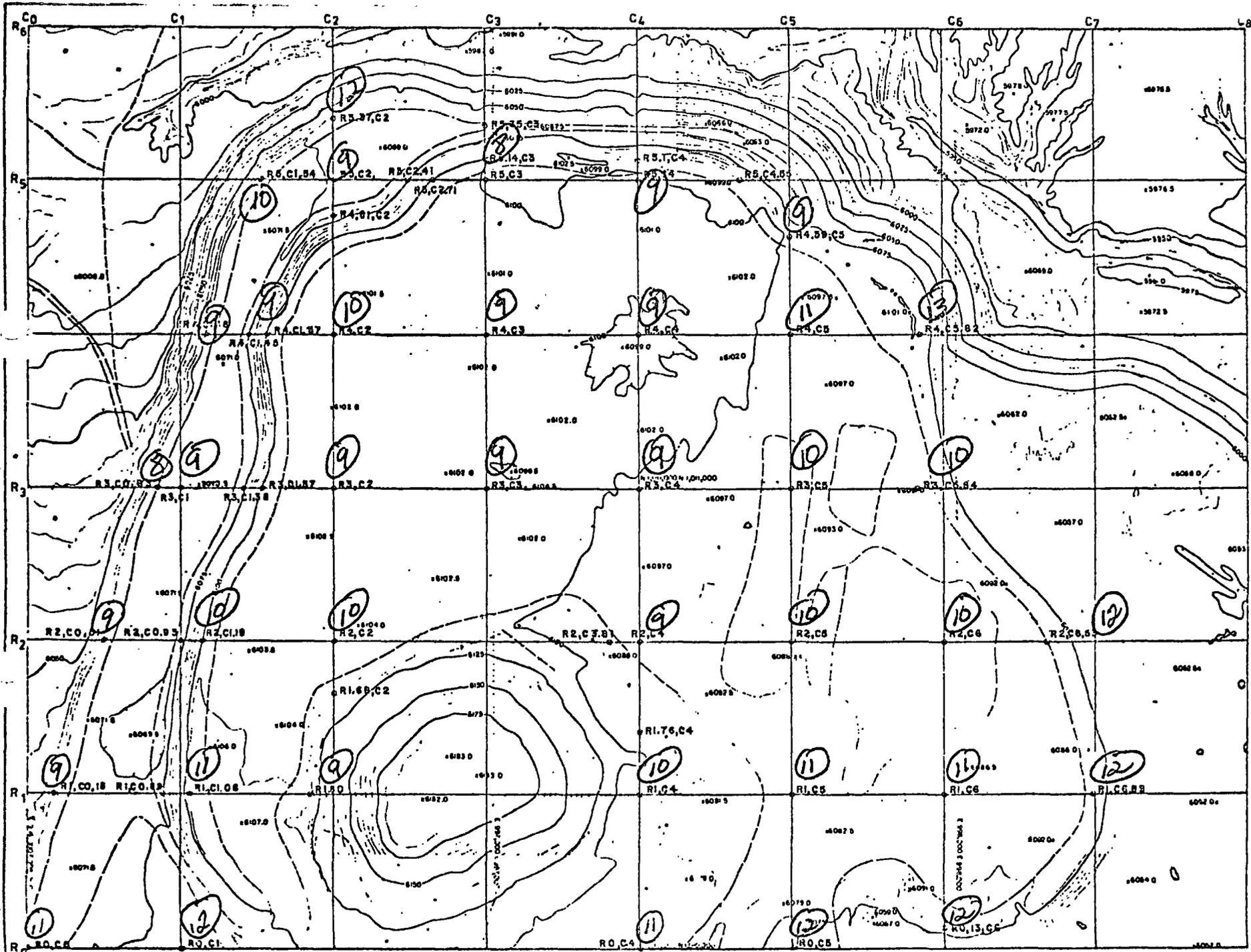
ECL/jms



"J" DUMP
RADIOLOGICAL SURVEY
100METER GRID

Ⓝ = $\mu R/hr$

Brettrick 11/78



(N) = 11 R/hr

"S" DUMP
 RADIOLOGICAL SURVEY
 100 METER GRID

CONFIDENTIAL

POL-EPA01-0004794

THE AMERICAN COMPANY
RADIUM-226 pCi/l

SAMPLE	1976 May	1976 Nov.	1977 May	1977 Nov.	1978 May	1978 June	1978 July	1978 Aug.	1978 Sept.	1978 Oct.	1978 Nov.			
Paguata Upstream	< 2.0	< 2.0	< 2.0	<2.0	<0.20	NS	0.50	0.30	0.20	0.30	0.40			
Moguino Upstream	< 2.0	< 2.0	< 2.0	<2.0	<0.20	NS	NS	0.60	1.30	0.20	0.20			
Paguata -- just above confluence					NS	NS	0.80	9.70	5.40	4.90	7.0			
Moguino -- just above confluence					NS	NS	NS	0.70	6.70	2.60	3.90			
Ford Crossing Downstream	< 2.0	2.20	2.23	<2.0	4.30	NS	3.60	4.70	12.10	4.80	7.10			
Mouth of Oak Canyon Wash														
Paguata Reservoir	< 2.0	< 2.0	3.78	<2.0	<0.20	NS	NS	0.80	6.0	0.50	0.60			
Old Shop					NS	NS	NS	NS	2.10	1.80	1.30			
New Shop	< 2.0	< 2.0	< 2.0	2.40	0.20	0.60	2.60	1.60	0.50	2.80	1.60			
Jackpile Well #4	< 2.0	< 2.0	< 2.0	<2.0	0.60	0.40	0.70	0.30	0.20	0.60	0.60			

THE RECORD COMPANY
URANIUM-NAT. ppm

SAMPLE	1976 May	1976 Nov.	1977 May	1977 Nov.	1978 May	1978 June	1978 July	1978 Aug.	1978 Sept.	1978 Oct.	1978 Nov.			
Paguete Upstream	0.004	0.005	0.006	0.006	0.002	NS	0.005	0.004	0.002	0.004	0.004			
Moquino Upstream	0.02	0.01	0.01	0.006	0.006	NS	NS	0.02	0.01	0.01	0.01			
Paguete — just above confluence					NS	NS	0.36	0.90	0.48	0.49	0.29			
Moquino — just above confluence					NS	NS	NS	0.10	0.01	0.18	0.06			
Ford Crossing Downstream	0.13	0.15	0.48	0.14	0.30	NS	0.47	0.47	0.29	0.51	0.18			
Mouth of Oak Canyon Wash														
Paguete Reservoir	0.51	0.75	0.70	0.08	0.64	NS	NS	0.07	0.002	0.21	0.11			
Old Shop					NS	NS	NS	NS	0.09	0.14	0.10			
New Shop	0.008	0.007	0.007	0.01	0.004	0.01	0.005	0.01	0.004	0.007	0.005			
Jackpile Well #4	0.004	0.004	0.003	0.005	0.007	0.01	0.004	0.006	0.004	0.009	0.004			

Rio Paguate Upstream

DESCRIPTION	DATE		Elect. Cond.	PH	TDS ppm	HCO3 ppm	CO3 ppm	Cl ppm	SO4 ppm	Na ppm	K ppm	Ca ppm	Mg ppm	SiO2 ppm	Mn ppm
Rio Paguate Upstream	02/06/78			8.2		237	Nil	10	85	28		51	45		
Rio Paguate Upstream	05/10/78		2150	8.12	1499	259	Nil	19	869	167		131	92		0.1
Rio Paguate Upstream	07/17/78		790	8.27	547	278	Nil	12	172	39	10.5	71	36	19	1
Rio Paguate Upstream	08/18/78		810	8.29		299	Nil	10	127	36		79	32		
		As ppm	Ba ppm	Cd ppm	Cr ppm	F ppm	Hg ppm	NO3 ppm	Se ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	S ppm
Rio Paguate Upstream	08/28/78	0.006	0.16	0.001	0.005	0.39	0.0005		0.01	0.002	0.002	?	0.002	0.5	0.5
Rio Paguate Upstream	08/29/78	0.005	0.01	0.005	0.05	0.1	0.01								

Rio Paguate Above Confluence

DESCRIPTION	DATE		Elect. Cond.	PH	TDS ppm	HCO3 ppm	CO3 ppm	Cl ppm	SO4 ppm	Na ppm	K ppm	Ca ppm	Mg ppm	SiO2 ppm	Mn ppm
Rio Paguate above confluence	08/24/78		2700	8.17	1379	519	Nil	25	1172	160	17.8	210	190	11	.1
		As ppm	Ba ppm	Cd ppm	Cr ppm	F ppm	Hg ppm	NO3 ppm	Se ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	Pb ppm
Rio Paguate above confluence	08/29/78	0.006	0.38	0.001	0.005	0.51	0.0005	1	0.01	0.004	0.002	.1	0.001	0.05	0.5
		Co ppm	Mo ppm	Mn ppm	V ppm	PO4 ppm	Pb ppm								
Rio Paguate above confluence		0.0005	0.01	0.005	0.05	0.1	0.010								

Ford Crossing Downstream

DESCRIPTION	DATE	Elect. Cond.	PH	TDS ppm	HC03 ppm	CO3 ppm	Cl ppm	SO4 ppm	Na ppm	K ppm	Ca ppm	Mg ppm	SiO2 ppm	Mn ppm	
Ford Crossing Downstream	02/06/78		8.35		273	2	19	710	176		126	86			
Ford Crossing Downstream	05/10/78	1500	8.29	999	234	Nil	13	503	105		94	65		0.1	
Ford Crossing Downstream	07/17/78	3000	8.21	2548	283	Nil	27	1449	260	15.3	180	32	10	1	
Ford Crossing Downstream	08/17/78	3100	8.09		300	Nil	25	1536	270		230	165			
		As ppm	Ba ppm	Cd ppm	Cr ppm	F ppm	Hg ppm	NO3 ppm	Sa ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	B ppm
Ford Crossing Downstream	08/29/78	0.006	0.58	0.001	0.005	0.54	0.0005	1	0.01	0.005	0.002	0.1	0.005	0.05	0.5
												1			
Ford Crossing Downstream	03/29/78	0.005	0.01	0.005	0.05	0.1	0.10								

PAGUATE RESERVOIR

DESCRIPTION	DATE		Elect. Cond.	PH	TDS ppm	HC03 ppm	CO3 ppm	Cl ppm	SO4 ppm	Na ppm	K ppm	Ca ppm	Mg ppm	SI02 ppm	Mn ppm
Paguete Reservoir	02/06/78			7.9		381	Nil	29	1791	353		322	159		
Paguete Reservoir	05/10/78		3900	7.90	3320	234	Nil	42	2042	400		310	173		0.1
Paguete Reservoir	08/24/78		1300	7.87		125	Nil	9	541	64		140	32		
		As ppm	Ba ppm	Cd ppm	Cr ppm	F ppm	Hg ppm	NO3 ppm	Se ppm	Ag ppm	Cu ppm	Fe ppm	Zn ppm	Al ppm	B ppm
Paguete Reservoir	08/29/78	0.014	0.18	0.001	0.005	0.54	0.0005	1	0.01	0.004	0.003	0.1	0.007	0.05	0.5
Paguete Reservoir	08/29/78	0.005	0.01	0.005	0.05	0.1	0.012								

